

**OFFICIAL COORDINATION REQUEST FOR  
NON-ROUTINE OPERATIONS AND MAINTENANCE**

**COORDINATION TITLE – 14TDA11 Fish Unit reduced flow**

**COORDINATION DATE – 20 November 2014**

**PROJECT – The Dalles Dam**

**RESPONSE DATE – 20 November 2014**

**Description of problem** – Fish unit tail logs have 8 dogging mechanisms that need to be moved out of the way in order to install the four tail logs for both fish units draft tubes. This is normally done with a drive mechanism from deck. However several of them are stuck and require personnel access into the bulkhead slot via crane to free them. These dogs need to be removed in preparation for dewatering and winter maintenance. In order to repair these dogging mechanisms, water flow has to be reduced to 75% fish unit discharge in order to lower water level enough to allow safe access to the dogging mechanism. This work needs to be done prior starting winter maintenance. Waiting until Dec 1 will delay the entire outage schedule at least 1 week because fish units cannot be isolated without bulkheads installed. The work will be 50' from the west entrance and 10' from both collection and transportation channel, but is considered routine work, allowable per Fish Passage Plan. Work will involve loosening mounting brackets and removal of equipment. Some hammer tapping may be needed to break loose.

**Type of outage required** – No outage required, but reduced fish unit flow to  $\frac{3}{4}$  normal load. Entrances are expected to be borderline criteria conditions during the reduced flow. Removal of all dogging mechanisms will take up to 2 work days, but likely less. Entrance weirs will be adjusted accordingly using FPP steps.

**Impact to facility operation** – Reduced fish unit flow and east, west and south entrance weir adjustments. Flow will need to be reduced half day anyway to get dogs to function. The reduced flow will be extended to approximately 2 work days for full repair.

**Dates and duration of impact** – Nov 21 and 22. Ten hours per day.

**Expected impacts on fish passage** – Latest passage data for Bonneville was 12 Chinook, 70 steelhead and 223 Coho on Nov 18. There is no passage data available for The Dalles on this past both present and historical. Radio-telemetry shows majority of the fish enter the east entrance. This work will occur near the west entrance.

**Comments from agencies**

NOAA -----Original Message-----

From: Gary Fredricks - NOAA Federal [<mailto:gary.fredricks@noaa.gov>]

Sent: Friday, November 21, 2014 8:30 AM

To: Cordie, Robert P NWP

Cc: Traylor, Andrew NWP; Walker, Christopher NWP; Lorz, Tom

Subject: [EXTERNAL] Re: fish unit taillogs (UNCLASSIFIED)

NOAA agrees with this work as laid out in the MOC (enough said). Gary

-----Original Message-----

From: Gary Fredricks - NOAA Federal [<mailto:gary.fredricks@noaa.gov>]

Sent: Friday, November 21, 2014 8:28 AM

To: Cordie, Robert P NWP

Cc: Mackey, Tammy M NWP; Traylor, Andrew NWP; Lorz, Tom

On Fri, Nov 21, 2014 at 8:04 AM, Gary Fredricks - NOAA Federal <[gary.fredricks@noaa.gov](mailto:gary.fredricks@noaa.gov)> wrote:  
Bob, I am ok with the work as described in our phone conversation yesterday.  
Thanks, Gary

On Thu, Nov 20, 2014 at 9:35 AM, Cordie, Robert P NWP <[Robert.P.Cordie@usace.army.mil](mailto:Robert.P.Cordie@usace.army.mil)> wrote:  
Classification: UNCLASSIFIED  
Caveats: NONE

We're definitely inside the zone. ~50' from the west entrance and ~10' from the collection and trans channels (other side of concrete wall). But I'm seeing this as routine maintenance which is OK per FPP. It'll involve unbolting the brackets that hold the mechanism and pulling them out for repair. May require some tapping to break the rust free.

If there's an issue please let me know by COB today so I call off the crews.

Andy, Let me know if this needs to go out to all FPOM.

-----Original Message-----

From: Gary Fredricks - NOAA Federal [<mailto:gary.fredricks@noaa.gov>]  
Sent: Thursday, November 20, 2014 8:39 AM  
To: Cordie, Robert P NWP  
Cc: Mackey, Tammy M NWP; Traylor, Andrew NWP; Lorz, Tom  
Subject: Re: [EXTERNAL] Re: FPOM: Official coordination 14TDA11 TDA-N bulkhead sill inspection (UNCLASSIFIED)

Bob, As we discussed the other day, I agree with your plan for the work on the weekend. There is really no need for a MOC if you can keep the East Fishway in criteria and the work is out of the 50' zone. Thanks, Gary

On Wed, Nov 19, 2014 at 2:23 PM, Cordie, Robert P NWP <[Robert.P.Cordie@usace.army.mil](mailto:Robert.P.Cordie@usace.army.mil)> wrote:  
Classification: UNCLASSIFIED  
Caveats: NONE

We were able to move the sill inspection to Dec1. So omit the sill MOC.

However, we have another for this weekend. Not sure it even required a MOC since Fish units will remain in service at 75% normal load. I'm expecting borderline entrance criteria during the work. If entrance conditions look really bad, we'll stop the work and figure out a plan B.

Andy, I heard you're covering for Tammy. You can send out to the rest of FPOM if you think necessary.

**Final results-** The work was completed as laid out in this MOC.

Please email or call with questions or concerns.

Thank you,

Bob Cordie

TDA Project Fisheries Biologist – Supervisor

541-506-7800

[Robert.P.Cordie@usace.army.mil](mailto:Robert.P.Cordie@usace.army.mil)